

# Water Supply District of Acton

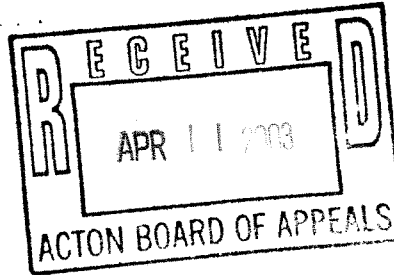
693 MASSACHUSETTS AVENUE  
P.O. BOX 953  
ACTON, MASSACHUSETTS 01720-0953

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JAMES L. DEMING  
DISTRICT MANAGER

April 10, 2003

Board of Appeals  
Town of Acton  
472 Main Street  
Acton, MA 01720



TELEPHONE (978) 263-9107  
FAX (978) 264-0148

Re: Comprehensive Permit/Franklin Place

Dear Members of the Board:

I have reviewed the plans for the proposed "Franklin Place" development and would offer the following comment.

While I could find no written estimate of daily demand projections for public water supply, it is apparent that the proposed 32 units will draw in excess of 2500 GPD.

On April 8, 2002, the Board of Water Commissioners amended our Rules and Regulations to include a requirement for a "Water Impact Report" when the estimated design demand of the facility exceeds 2500 GPD.

I have attached a copy of the Amended Rules and Regulations, and some possible conservation measures to consider.

The AWD will not provide public water to the proposed development until this report has been completed, and accepted.

Regards,

James L. Deming  
District Manager

/dap

cc: Jane Ceraso  
Franklin Place LLC  
c/o Northwest Development  
178 Great Road  
Acton, MA 01720

attachment: Rules and Regulation

**Updated Regulation (AWD Rules and Regs # 28.)  
as of 4/08/02 Water Commissioners' Meeting**

Any person applying for water use having a design demand in excess of 2,500 gallons per day or a larger (over 2 inch) service line, will provide to the District a *Water Impact Report* acceptable to the District. This report will contain the following: 1) estimated impact of the project on the District's water demand; 2) impact of the project on the District's existing supply system, including maintenance of adequate fire flow; 3) impact of the project on the District's Water Management Act withdrawal permit compliance, and 4) conditions and water conservation measures that will mitigate the effect of the project's impact (applicants should request from the District a list of possible mitigation measures)

The report will be reviewed and approved by the Water Commissioners. Costs associated with generating the report will be the responsibility of the applicant. A copy of this report will go to the Planning Department and Building Inspector.

## Acton Water District Water Impact Report

Possible water conservation techniques for new developments/upgraded services that fall under Water Impact Report regulation.

<b>Outdoor Conservation</b>	<b>Est. water savings/yr/ avg. 4 person household</b>
Natural Lawn and landscape (no supplemental irrigation)	81,600 gallons*
Drip irrigation only	Depends
Maximum total irrigated area of 4,000 sq. ft. (approx. 1/10 acre)	48,960 gallons*
Fix all outdoor leaks (does not apply to new developments)	Depends
Use pool cover	400 gallons
<b>Indoor Conservation</b>	
Replace all old toilets with ultra-low flow toilets (1.6 gpf) (does not apply to new developments)	Depends
Horizontal axis washing machines	7,300 gallons
Low flow aerators (1.2 gpm) on all faucets	5,200
All showerheads flow-restricted (2.5 gpm)	4,000 gallons
Fix all leaks (does not apply to new developments)	Depends

\* assumed baseline: ¼ acre irrigated 1 inch/week for 3 months